



NCPS-2025

September 16th-18th, 2025

NCPOR, Goa



Ministry of Earth Sciences
Government of India



NATIONAL CONFERENCE ON POLAR SCIENCES

NCPS-2025

National Centre for Polar and Ocean Research

Ministry of Earth Sciences, Government of India
Headland Sada, Vasco-da-Gama, Goa 403 804, India

www.ncps2025.in



Gepang Gath Glacier

ABOUT THE HOST INSTITUTE

National Centre for Polar and Ocean Research (NCPOR) is an autonomous R&D institution under the Ministry of Earth Sciences (MoES). NCPOR spearheads India's research activities in the Arctic, Antarctic, Southern Ocean, and the Himalayas. India's exploration of polar regions began in 1981 with the Indian Antarctic Expedition. The institution expanded its scope to Southern Ocean research in 2004, followed by the Arctic in 2007, and initiated Himalayan cryosphere research activities in 2013. In 2010, Indian scientists traversed to the South Pole for the first time. NCPOR also serves as the nodal agency for major deep sea explorations of scientific and strategic importance.



BACKGROUND

The National Conference on Polar Sciences (NCPS) attracts over 250 participants, including around 100 young researchers, and offers a unique opportunity for the Indian polar community to engage and interact. Following the successful editions in 2017, 2019, and 2023, NCPS-2025 aims to bring together eminent researchers working across the Arctic, Antarctic, Southern Ocean, and the Himalayas. The conference will serve as a common platform to foster interdisciplinary discussions on various scientific and operational challenges. It also provides Early Career Researchers with a valuable opportunity to share their ideas, research findings, and experiences.



Venue & Date

National Centre for Polar
and Ocean Research
Headland Sada,
Vasco-da-Gama, Goa
403 804, India

September 16th-18th, 2025



Young Polar Scientist Meet (YPSM)

The Young Polar Scientist Meet (YPSM) will provide young researchers with a platform to engage with nationally and internationally renowned polar experts. This event aims to enhance their scientific skills and build a national interdisciplinary research network by connecting them with peers and senior polar scientists.

Eligibility:

YPSM is open to early-career researchers below the age of 35 years (as of March 31, 2025). Eligible participants include PhD students or post-PhD professionals within 5 years of their doctoral degree award.

All YPSM participants are encouraged to present posters. Based on the novelty of their research and the quality of poster presentation, selected young researchers will be invited to deliver 5-minute flash talks. The Best Young Polar Scientist Award will recognize outstanding contributions in both oral and poster presentations.

NCPS-2025 PROGRAMME



Young Polar Scientists Meet (YPSM)

SEPTEMBER 16TH, 2025

Programme

- 1** Special Research Orientation Talk for Early Career Researchers by Eminent Scientists
- 2** Poster Presentation by Early Career Scientists
- 3** Announcement of Oral Presentation Winners Selected from the Best Posters presentations

OPEN SCIENCE CONFERENCE (OSC)

The open science conference will feature plenary lectures, invited keynote lectures, and contributed oral/poster presentations organised across multiple sessions and themes.

Scientific Themes and Sessions

Researchers are invited to present their findings on diverse aspects of the Polar Regions, including the Himalayan cryosphere. The conference will include invited lectures and contributed presentations (oral/posters). High-quality original and unpublished work (conceptual, constructive, empirical, experimental, or theoretical) shall be encouraged. Early-career researchers submitting abstracts for poster presentations under the Young Polar Scientist Meet (YPSM) may align their submissions with the same scientific themes as the main conference.

OPEN SCIENCE CONFERENCE (OSC)

SEPTEMBER 17TH-18TH, 2025

THEMES AND SESSIONS

1

Crustal Evolution and Reconstruction

- Geochronology, Geochemistry and Petrology
- Crustal Evolution: Insight from Recent Geophysical and Geological Investigations
- Geodesy and geodynamics
- Antarctic Geological Evolution and GeoEAs

2

Space Weather and Meteorology

- Solar-terrestrial Interaction Studies
- Weather and Climate
- Atmospheric Chemistry and Aerosols

3

Southern Ocean in a changing climate

- Ocean-atmospheric Processes
- Biogeochemical Processes
- Ocean Modelling

4

Climate Change and Variability

- Physical forcings, biogeochemical feedback and variability

5

Cryospheric Processes and Dynamics

- Cryospheric Processes and Variability
- Glacier dynamics, processes and glacio-hydrological responses

6

Sea ice variability and modelling

- Sea ice variability and dynamics through time and space
- Sea-ice modelling and observations

7

Polar Environment and Ecology

- Planktons: climatological and ecological perspectives
- Diversity and Ecology of Flora and Fauna
- Microbial diversity: their role in the environment and industry
- Environmental Monitoring and Assessment



8

Polar Operations, Governance and Outreach

- Engineering and Infrastructure for Polar Regions
- Communication and Data Systems in Extreme Environments
- Health, Safety, and Human Factors in Polar Operations
- Governance, Policy, and International Cooperation
- Education, Outreach, and Capacity Building in Polar Science

ADVISORY COMMITTEE

Dr. M. Ravichandran

Secretary to the Government of India
Ministry of Earth Sciences

Dr. Shailesh Nayak

Director, NIAS, Bengaluru

Dr. M. Rajeevan

Vice Chancellor, Atria University, Bengaluru

Prof. Harilal B. Menon

Vice-Chancellor, Goa University, Goa

Dr. Prem Chand Pandey

Former Director, NCPOR, Goa

Dr. Prakash Chauhan

Director, NRSC, ISRO Hyderabad

Dr. Sunil Kumar Singh

Director, NIO, Goa

Dr. Mrutyunjay Mohapatra

DGM, IMD, Delhi

Dr. Rasik Ravindra

Former Director, NCPOR, Goa

Dr. S. Rajan

Former Director, NCPOR, Goa

Prof. N.V. Chalapathi Rao

Director, NCESS, Thiruvananthapuram

Prof. Naresh Chandra Pant (Retd.)

Delhi University, Delhi

Prof. D. Sengupta

Indian Institute of Science, Bengaluru

Dr. V.S. Prasad

Head of NCMRWF

Dr. Balakrishnan Nair T.M

Director, INCOIS, Hyderabad

Director, IITM, Pune**Prof. A. P. Dimri**

Director, IIIG, Mumbai

Shri Mirza Javed Beg

Consultant, NCPOR, Goa

Dr. John Turner

British Antarctic Survey, UK

Dr. Vijay Kumar

PD, MoES, Delhi

Shri Asit Saha

DG, GSI, Kolkata

Prof. A. A. Mohamed Hatha

CUSAT, Kochi

Dr. Thamban Meloth

Director, NCPOR, Goa



SCIENTIFIC PROGRAM COMMITTEE

Dr. Manish Tiwari NCPOR (Chairman)	Dr. Suresh Babu SPL (Member)	Dr. Laluraj CM NCPOR (Member)
Prof. Naresh Chandra Pant (Retd) Delhi University (Member)	Prof. P.S. Sunil CUSAT (Member)	Dr. Waliur Rahaman NCPOR (Member)
Prof. G.N. Nayak Goa University (Member)	Prof. Vimlesh Pant IIT Delhi (Member)	Dr. Aparna Shukla MoES (Member)
Prof. Saibal Gupta IIT Kharagpur (Member)	Prof. Anu Gopinath KUFOS, Kochi (Member)	Dr. Anish Warrier MIT, Karnataka (Member)
Prof. Arun Deo Singh BHU, Varanasi (Member)	Prof. Ravi Bhushan NCPOR (Member)	Dr. Shailendra Saini NCPOR (Member)
Prof. D. Pallamraju PRL, Ahmedabad (Member)	Dr. V. K. Soni, IMD (Member)	Dr. Parmanand Sharma NCPOR (Member)
Dr. Vandana Chaudhary MoES (Member)	Dr. Mahesh Mohan MG University, Kottayam (Member)	Dr. Yogesh Ray NCPOR (Member)
Dr. Rashmi Sharma SAC, Ahmedabad (Member)	Dr. Swapna Panickal IITM, Pune (Member)	Dr. P. Sabu NCPOR (Member)
Dr. John Kurian NCPOR (Member)	Dr. Anoop S. Mahajan IITM (Member)	Dr. Avinash Kumar NCPOR (Member)
		Dr. Rohit Srivastava NCPOR (Member)
		Dr. Nuncio Murukesh NCPOR (Member)
		Dr. Shramik Patil NCPOR (Member)
		Dr. Archana Singh NCPOR (Member)
		Dr. Vikash Kumar NCPOR (Member Secretary)



GUIDELINES FOR ABSTRACT SUBMISSION

The abstract (max. 350 words) must be typed in Arial font, size 12, in MS Word format and submitted via the conference website. It should include the title, author(s) name(s), and institutional affiliation(s), and highlight scientific or operational results and their applications. Each author may submit only one abstract as first author. Authors must specify the sub-theme, corresponding author's name, and preferred mode of presentation (oral/poster for OSC; poster for YPSM). Final decisions regarding presentation type and session placement will be made by the Session Chairs and Scientific Program Committee. The corresponding author must ensure all co-authors have agreed to be listed.

FINANCIAL SUPPORT

Limited financial support, including registration fee waiver and free accommodation, will be available only for selected research students and early-career researchers (below the age of 35 as of March 31, 2025). Support will be considered upon request and subject to availability.

ORGANISING COMMITTEE

Dr. Rahul Mohan
NCPOR, Goa (Chairman)

Dr. Avinash Kumar
NCPOR, Goa (Convenor)

Shri Ajeet Kumar
NCPOR, Goa (Member)

Shri Ravikant Sharma
NCPOR, Goa (Member)

Dr. Swati Nagar
NCPOR, Goa (Member)

Ms. Juhi Yadav
NCPOR, Goa (Member)

ACCOMMODATION AND TRAVEL

Shared hostel/hotel accommodation may be provided to research students upon advance request. Interested participants are requested to email their accommodation request to juhi@ncpor.res.in on or before August 25, 2025.

A list of hotels at Vasco (a short distance from the conference venue) at special prices will be available for booking directly on a payment basis.

REGISTRATION

Online Registration Fees

For Research Students

Rs. 1500/-

For Scientists/Others

Rs. 3500/-

Onsite Registration Fees

Rs. 4000/-



Scan for Payment through UPI :

UPI ID: [ncpor@sbi](https://ncpor.sbi)

For online transfer of the amount through NEFT, the details are as follows:

Name of Account holder: NCPOR

Account No: 10153336180 (SBI, Vasco)

IFSC: SBINOOO4116

REGISTRATION NUMBER is important and has to be mentioned while transferring the amount; however, no cash deposit in the said account is acceptable.





NOTES



IMPORTANT DATES

Online registration and abstract submission starts	: May 5, 2025
Last date for abstract submission	: June 22, 2025
Notification of Acceptance of Abstract	: July 31, 2025
Online registration Closes	: August 31, 2025



www.ncps2025.in



Venue & Date

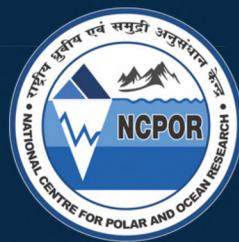
**National Centre for Polar and Ocean Research
Headland Sada,
Vasco-da-Gama, Goa
403 804, India**

September 16th-18th, 2025



Ministry of Earth Sciences
Government of India

www.moes.gov.in



www.ncpor.res.in

Contact

Dr. Avinash Kumar
Convenor, NCPS-2025

- +91-832-2525695
- +91-9158536334
- ncps.ncpor@gmail.com
- www.ncps2025.in